News & Views

COMSATS
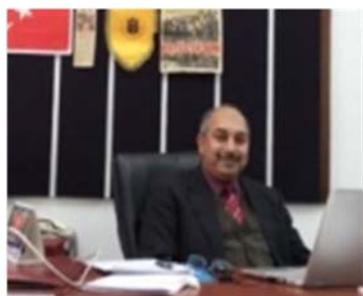
Jan– April 2016

Messages from Dean & Chairman

Greetings! I welcome all the new students, faculty and staff who have joined Computer Science Department in this semester.

I hope this semester will bring opportunities for our students to excel in their studies. Our faculty and staff will leave no stone unturned to utilize their talents for further improvement of the department.

Dr. Syed Asad Hussain
DEAN FIST

Hope for the best and get ready for the worst!

Dr. Zulfiqar Habib
Chairman CS

Pak-China Business Forum 2016

COMSATS Institute of Information Technology has organized this program to promote University and Industry collaborations in business and economic sectors for the mutual benefit of both the countries.

After the success of four consecutive Pak-China Business Forums in 2012, 2013, 2014 and 2015, the forum was held from 19th to 22nd March 2016.

Pak-China Business Forum 2016

Thematic Lectures on "China-Pakistan Economic Corridor: Opportunities for the ICT Industry in China and Pakistan"

Faculty of Information Sciences and Technology (FIST) organized a Thematic Lectures on "China-Pakistan Economic Corridor: Opportunities for the ICT Industry in China and Pakistan", at Pak-China Business Forum, March 19-22, 2016 at Expo Centre, Johar Town Lahore. About 100 participants including teachers, students and businessmen from Pakistan and China attended the sessions. Prof. Dr. Syed Asad Hussain welcomed all the guests and threw light over various possibilities for mutual collaboration between China and Pakistan.

Following were the guest speakers for the sessions:

* Mr. Liu Sheng Jie, CTO HUAWEI Pakistan

* Mr. Frank, Representative ZTE Pakistan.

* Mr. Saleem Rafik, Director General NADRA Pakistan.

Research Productivity

Workshop on Robotics

Dr. Wajahat Mahmood Qazi, Assistant Professor of computer science, conducted a workshop on "Programming Intelligent Robots" for the students of 7th semester who were studying artificial intelligence. The workshop was planned in two phases. Phase 1 was conducted before S1 exam and phase will be conducted after SII exam. The objective of the workshop (Phase I) was to introduce emerging trends in the field of intelligent and social robotics with special focus on cybernetics and humanoid technologies. Furthermore, simulators and development platforms like robotics operating system (ROS) and Yet Another Robotics Platform (YARP) along with iCub Humanoid robot were also introduced. Fundamentals of robotics programming using ROS was also the part of Phase I. Phase II of the workshop will be conducted after SII exam. The agenda of this phase will be to provide in depth knowledge of robotics programming using ROS and YARP platforms.

Chairman Visit to Turkey

Chairman Computer Science Department, Prof. Dr. Zulfiqar Habib visited Inonu University, Malatya Turkey, during the month of January. During his visit he delivered lectures, speeches and attended seminars and meetings with Turkish academicians. Main objective of his visit was to promote research collaboration between Pakistan and Turkey that will prove to be a milestone for technology transfer, knowledge sharing and research scholars' exchange between the two countries.

Research Publications

Computer Science department is proud to have more publications from January onward:

1. Touseef Tahir, Ghulam Rasool, Cigdem Gencel, (2016), "A systematic literature review on software measurement programs", Information and Software Technology, Volume 73, Pages 101–121, Impact Factor: 1.046, Accepted.

2. Tayyab Chaudhry, Chun Yong Chong, T.C. Ling, Saim Rasheed and Jongwon Kim, (2016), "Thermal Prediction Models for Virtualized Data Center Servers by using Thermal-Profiles", Malaysian Journal of Computer Science, Vol. 29, No. 1, Pages: 1-14, Impact Factor: 0.405, Published.

3. Muhammad Sajid, Imtiaz Ahmad Taj, Usama Ijaz Bajwa, Naeem Iqbal Ratyal (2016), "The role of facial asymmetry in recognizing age-separated face images", Computers & Electrical Engineering, Impact Factor: 0.817, Accepted.

4. Amad Ali, Abdul Jalil, Jianwei Niu, Xiaoke Zhao, Saima Rathore, Javed Ahmed, Muhammad Aksam Iftikhar, "Visual object tracking—classical and contemporary approaches", Frontiers of Computer Science, Volume 10, Issue 1, Pages. 167-188, Impact Factor: 0.434, Published

5. Khurshid Asghar, Zulfiqar Habib, Muhammad Hussain, "Copy-Move and Splicing Image Forgery Detection and Localization: A Review", Australian Journal of Forensic Sciences, Impact Factor: 0.583

6. Abdul Qayum, Mudasser Naseer, "A fast Approach for finding Design Repeat in Textile Rotary printing for Fault detection", The Journal of The Textile Institute, DOI: 10.1080/ 00405000.2015. 1135579, Impact Factor: 0.722, Published.

7. I. Hussain, L. Chen, H.T. Mirza, L. Wang, G. Chen and I. Memon, "Chinese-based Spearcons: Improving Pedestrian Navigation Performance in Eyes-Free Environment", International Journal of Human-Computer Interaction (IJHCI), Taylor & Francis, Vol: 1, Issue: 1, pp: 1-30, Impact Factor: 0.850, Published.

8. Shahbaz, Muhammad, Ghulam Rasool, Khalid Ahmed, and Mantu Kumar Mahalik, "Considering the effect of biomass energy consumption on economic growth: fresh evidence from BRICS region", Renewable and Sustainable Energy Reviews, Vol 60, 1442-1450, Impact Factor: 5.901, Published.

9. Iram Noreen, Amna Khan, Hassan Ahmed, Zulfiqar Habib, "Optimal Path Planning for Mobile Robots Using Memory Efficient A*", The Proceedings of IEEE International conference on Computing, Electronic and Electrical Engineering (ICE Cube), April 11-12, 2016, Accepted.

Book Chapter

1. Raja Khurram Shahzad, Mehwish Fatima, Niklas Lavesson, and Martin Boldt, "Consensus Decision Making in Random Forests,", Book Chapter, in Machine Learning, Optimization, and Big Data, Springer International Publishing, 2015, pp. 347–358. is published.

Final Year Project Exhibition

Final year project exhibition and job fair was arranged on January 18, 2016 at Computer Science Department.

Twenty Final year projects were evaluated by four external examiners invited from Academia & Industry. The names of invited externals include **Dr. M. Usman Ghani**, A. P, UET, Lahore, **Dr. Kashif Zafar**, Associate Professor, FAST NU, **Mr. Shahrukh Arshad**, Principal Software Engineer, Soliton Technologies, **Mr. Usman Pervez**, Principal Software Engineer, Northbay Solutions. ,

Job Fair 2016

As per CS tradition on final year presentation day we also invited experienced persons from well reputed software houses in the university. **Ozi technology, Techlogics, ISB soft, Ebryx, Apricot Studios** participated in the Job Fair. They conducted tests and interview on the same day and hired students according to their requirements.

Talk on Latest Information and Technology Trends by CS resource person at LCWU

CS faculty member Murtaza Ali Baig was invited to deliver a talk on latest Information and Technology trends at Lahore College for Women University LCWU. Head of Computer Science Department LCWU Dr. Abuzar Faheem showed immense gratitude to the speaker for sharing his knowledge with the students.

INTEL Science Fair

There were total 107 projects displayed from different institutions, from Karachi (interior Sindh) to Peshawar (Risalpur), Quetta, Loralai to Lahore, Multan, Vehari, Islamabad, Gilgit, Baltistan. Govt. and private Schools and Intermediate Colleges participated in the event.

Grand Winners:

Individual Project

Shahmir Khan Niazi (Beaconhouse School System, Velencia Town Campus, Lahore)

Team Project

Ahmad bin Abdur Rahman, & Muhammad Hashim Khan (Divisional Public School Township)

Individual Project

Khasheaa Nadeem

Agha Khan Higher Secondary School, Karimabad, Karachi

Team Project

Minahil Mustafa, Sameen Mehdi, Abdullah Khan

Beaconhouse School System, Valencia Town Campus, Lahore

Individual Project

Sarmad Saeed Nasir Engro Grammar School, Daharki, District Ghotki, Sindh.

Pride of CS Department

A student of our CS department Muhammad Salman Tahir, submitted an innovative software idea through Coca-Cola scholarship program. He has been selected for a fully funded program in America at Indiana University. Now he will perform feasibility analysis of this software idea. All facilities and finances are to be provided by Indiana University. Fourteen students have been selected from all over the Pakistan. Congratulations to Salman Tahir for his brilliant success. We wish him best of luck and a very bright future

Welcome to New Members in CS

Sajid Ibrahim Hashmi

Assistant Professor

Qualifications: MS KAIST, South Korea; PhD (in progress) University of Limerick, Ireland.

Research Interests: Software Development Processes, Global Software Development, Health Informatics.

Dr. Atifa Athar

Assistant Professor

Qualifications: PhD

Research Interests: Artificial Intelligence, Artificial Neural Networks, fuzzy inference and cognitive & emotive machines.

Dr. Nabeel Talib

Assistant Professor

Qualifications: PhD, Wuhan, China

Research Interests: Green/Energy Efficient Cloud Computing/Data Centers, Management Information Systems, eCommerce & eBusiness Strategies.

Mr. Bilal Arshad

Assistant Proefessor

Qualification: MSCS

Anam Ahsan

Lecturer

Qualification: MS (Information Security)

Research Interest: Network Security, Cryptography, Semantic based Web Ontologies

Kissa Fatima

Lecturer

Qualification: MS CE, UET, Texila

Research Interest: Brain Computer Interface

Syeda Maria Anum Abedi

Research Associate

Qualification: MSSE

Research Interest: User's behavior , Service Oriented Architecture, Reverse Engineering

Shaina Ashraf

Lecturer

Qualification: MSCS, COMSATS Lahore

Research Interest: Software Development

Najam-us-Sahar

Lecturer

Qualification: MS CS

Research Interest: Software Engineering

Grand Lunch Party to Welcome New Members

A fabulous Lunch was arranged at Gourmet Restaurant to welcome new faculty members. All CS staff and faculty members were present at the occasion to mingle and to enjoy the scrumptious lunch together. The Lunch was sponsored by worthy Dean, Chairman and new faculty members. It was a great get together and everyone enjoyed this lunch party.

Student Week Spring 2016

The opening ceremony of students week Spring-2016 was held on Wednesday 6th April 2016 in the cricket ground. Director CIIT Lahore Dr. Qaiser Abbas was the Chief Guest of the ceremony and Umar Akmal was invited as a Guest of Honor.

During student week computer science department organized different events including trips, parties and competitions.

One-day trip to Kalar Kahar

An excursion trip was organized for CS students to fabulous lake resort of Kallar Kahar. Students had great fun at the lake and enjoyed camel-ride, boating, lot more group selfies, music and splendid refreshment. Away from the

tensions, the trip proved to be a memorable and fun-filled event for everyone.

Welcome party for SP16-SE

Students of FA15-SE arranged a welcome party for new students of SE. It was a moment of celebration when a magnificent welcome party was thrown by senior students for new entrants. The party was a wonderful event for everyone to cheer up and mingle up and all students enjoyed it at fullest. Some faculty members were also present at the occasion.

Gaming competition

Gaming competition includes various games like Dinochrome and a real time based game paint ball was played by the contestants.

Student week spring-2016 closing ceremony was held on Monday (11-4-2016) in which prizes were distributed among the winners of sports competition. Dean CS Dr Asad Hussain was the guest of honor of the ceremony.

Upgrade of CS Labs

Advanced Communication and Networks Lab

A new lab is built for PhD scholars, MS students and faculty members for Research in Communication and Networks. It has been installed with powerful systems which can simulate and emulate the networks efficiently.

In this lab, three Apple and thirty HP touch-screen i5 systems have been installed with UPS backup therefore electricity failure would not affect the performance and working of systems.

VIG-Robotics Lab

Computer Vision, Digital Image Processing, Graphics & Simulation (VIG) and Robotics are now very hot areas with many applications in hospitals, forensic departments, software houses, electronic & print media, security agencies, industries & offices, Pakistan air force & NESCOM, GIS, OCR, and many more. VIG-Robotics Lab is established to provide a centralized and multidisciplinary platform for researchers. This lab is equipped with 2 high performance graphics workstations, 25 Core I7 machines with graphics cards & auto focused web cams, car like robots, UAV, kinects, drawing tabs, colored laser printer, and high resolution digital cameras.

Further detail http://vig.ciitlahore.edu.pk

Team Members

Zuhair Qadir

Faisal Mumtaz

Kamran Jamil

Asmara Safdar

Mehwish Fatima

Saima Muzaffar

Dr. Zulfiqar Habib